

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-33 (canceled).

34 (Previously presented): An isolated nucleic acid molecule that hybridizes to the nucleic acid depicted in SEQ ID NO:1 in 50% formamide and 6XSSC, at 42°C and after washing conditions of 60°C, 0.5XSSC, 0.1 % SDS, and encodes an amino acid sequence that is at least 80% identical to amino acids 1-118 of SEQ ID NO:2.

35 (Previously presented): The isolated nucleic acid molecule of claim 34, wherein said amino acid sequence is at least 90% identical to amino acids 1-118 of SEQ ID NO:2.

36 (Previously presented): The isolated nucleic acid molecule of claim 34, encoding an amino acid sequence comprising amino acids 1-118 of SEQ ID NO:2.

37 (Previously presented): An isolated nucleic acid molecule that hybridizes to the nucleic acid depicted in SEQ ID NO:1 in 50% formamide and 6XSSC, at 42°C and after washing conditions of 60°C, 0.5XSSC, 0.1% SDS, wherein said molecule is at least 80% identical to the nucleic acid sequence of SEQ ID NO:1.

38 (Previously presented): The isolated nucleic acid molecule of claim 37, wherein said molecule is at least 90% identical to the nucleic acid sequence of SEQ ID NO:1.

39 (Previously presented): The isolated nucleic acid molecule of claim 38 comprising the nucleic acid sequence of SEQ ID NO:1.

40 (Previously presented): The isolated nucleic acid molecule of claim 37 encoding an amino acid sequence comprising the sequence of SEQ ID NO:2.

41 (Previously presented): A recombinant vector that directs the expression of the nucleic acid molecule of claim 34.

42 (Previously presented): A recombinant vector that directs the expression of the nucleic acid molecule of claim 35.

43 (Previously presented): A recombinant vector that directs the expression of the nucleic acid molecule of claim 36.

44 (Previously presented): A recombinant vector that directs the expression of the nucleic acid molecule of claim 37.

45 (Previously presented): A recombinant vector that directs the expression of the nucleic acid molecule of claim 38.

46 (Previously presented): A recombinant vector that directs the expression of the nucleic acid molecule of claim 39.

47 (Previously presented): A recombinant vector that directs the expression of the nucleic acid molecule of claim 40.

48 (Previously presented): A host cell or its progeny transfected or transduced with the vector of claim 41.

49 (Previously presented): A host cell or its progeny transfected or transduced with the vector of claim 42.

50 (Previously presented): A host cell or its progeny transfected or transduced with the vector of claim 43.

51 (Previously presented): A host cell or its progeny transfected or transduced with the vector of claim 44.

52 (Previously presented): A host cell or its progeny transfected or transduced with the vector of claim 45.

53 (Previously presented): A host cell or its progeny transfected or transduced with the vector of claim 46.

54 (Previously presented): A host cell or its progeny transfected or transduced with the vector of claim 47.

55 (Previously presented): The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is a bacterial cell.

56 (Previously presented): The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is a yeast cell.

57 (Previously presented): The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is a plant cell.

58 (Previously presented): The host cell of claim 48, 49, 50, 51, 52, 53, or 54, wherein the host cell is an animal cell.

59 (Currently amended): A method for the production of SIGIRR ~~TIGIRR~~ polypeptide comprising culturing the host cell of claim 48, 49, 50, 51, 52, 53, or 54 under conditions promoting expression.

60 (Previously presented): The method of claim 59, further comprising recovering the polypeptide from the culture medium.